

Spiral drill bit for drilling holes in printed circuit boards - has cross-cutter length in ratio of about 10 per cent. of external dia. of spiral

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Patent Family:

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Patent Details:

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Abstract (Basic): DE 29609017 U

The drill bit has a spiral of hard metal, a cross-cutter (8) of length about 10 per cent of the external dia. of the spiral (6), a four-surface grind with two front surfaces, two rear surfaces and a pointed tip. The free angle of the free front surfaces (10) is about 5deg. to 8deg.. The free angle of the free backing surfaces (11) is about 20deg..

The tip angle is about 115-120deg.. The free angle of the backing surfaces may alternatively be 7deg.. The tip angle may be 118deg.. The spiral consists of tungsten carbide and cobalt.

ADVANTAGE - Runs at lower temp. and lasts longer.

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Title Terms: SPIRAL; DRILL; BIT; DRILL; HOLE; PRINT; CIRCUIT; BOARD; CROSS; CUT; LENGTH; RATIO; PER; CENT; EXTERNAL; DIAMETER; SPIRAL

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